

LISTING OF CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

1. (Original) A fuel oil characterized in that said fuel oil contains substantially no granules greater than 10 nm.
2. (Original) A fuel oil according to claim 1, characterized in that said fuel oil contains substantially no granules greater than 5 nm.
3. (Original) A fuel oil according to claim 2, characterized in that said fuel oil contains substantially no granules greater than 3 nm.
4. (Previously Presented) A fuel oil according to claim 1, characterized in that said fuel oil is gasoline.
5. (Previously Presented) A fuel oil according to claim 1, characterized in that said fuel oil is diesel oil.
6. (Previously Presented) A fuel oil according to claim 1, characterized in that said fuel oil is kerosene.

7. (Previously Presented) A fuel oil according to claim 1, characterized in that said fuel oil is heavy oil.

8. (Previously Presented) A fuel oil according to claim 1, characterized in that said fuel oil is bio-diesel.

9. (Currently Amended) A method for preparing a fuel oil, comprising:
passing a conventional fluid fuel oil with ~~big clusters of molecules~~ molecular cluster granules of a size larger than 300 nm through a magnetic field formed by two like-magnetized poles located opposite to each other with a gap therebetween, the gap being less than 0.5 mm, the two like-magnetized poles each having a magnetic intensity greater than 5,000 Gauss and an intrinsic coercivity greater than 18,000 Oersted and forming an air gap magnetic field intensity of at least 8000 Gauss and a magnetic field gradient of at least 1.5 tesla/cm in a direction intersecting with magnetic force lines generated by the magnetic field.

10. (Previously Presented) A method according to claim 9, characterized in that said magnetic field has an air gap magnetic field intensity of at least 10,000 Gauss and a magnetic field gradient at least 1.8 tesla/cm.

11. (Cancelled)

12. (Previously Presented) A method according to claim 9, characterized in that said magnetic field is an alternating current magnetic field.

13. (Previously Presented) A fuel oil made by the method of claim 9.

14. (Previously Presented) A fuel oil of claim 13, wherein the fuel oil contains substantially no granules greater than 10 nm.

15. (Previously Presented) The method of claim 9 wherein the two like-magnetized poles are permanent magnets.